

## UDOT RESEARCH & DEVELOPMENT REPORT ABSTRACT

<b>1. Report No.</b> <div style="text-align: center;">UT-97.08</div>		<b>2. Government Access #</b>		<b>3. Recipient's Catalog #</b>	
<b>4. Title and Subtitle</b> <i>Fast-Track Products Review: Concrete Pavement Patching Repair Materials</i>		<b>5. Report Date</b> July 1, 1997			
		<b>6. Performing Organization Code</b>			
<b>7. Author(s)</b> Barry Sharp, Mujeeb Basha, Brandon Squire		<b>8. Principal Investigator(s)</b> Gerald Robinson, Glenn Clark, Thom LeHolm			
<b>9. Performing Organization Name and Address</b> Utah Department of Transportation 4501 Constitution Blvd. Salt Lake City, UT 84119-14840		<b>10. Work Unit #</b>			
		<b>11. Contract #</b>			
<b>12. Sponsoring Agency Name &amp; Address</b> Utah Department of Transportation 4501 Constitution Blvd. Salt Lake City, UT 84119-14840		<b>13. Type of Report and Period Covered</b> Internal & External Research Report 1991-1997			
		<b>14. Sponsoring Agency Code</b>			
<b>15. Supplementary Notes</b>					
<b>16. Abstract</b> <p>Following is a technical research report prepared by the research division on the subject of rigid pavement fast-track patching products and their lab and field testing. This report summarizes a six-year experimental field study conducted with assistance of materials division. Comprehensive lab testing was conducted on various brands of product.</p> <p>Lab testing included compressive strength, slant shear bond test, and freeze/thaw testing. Field testing included nondestructive pavement testing with a Swiss hammer device. Also, two major experimental demonstration projects were constructed on Interstate 15 in Salt Lake county and in Davis county. Results from the lab and field testing proved that most products performed "excellent". A detail drawing of recommended construction installation is included for reference.</p>					
<b>17. Key Words</b> Rapid set concrete, fast track construction, freeze/thaw cycles, PCC pavement, patch.			<b>18. Distribution Statement</b> <div style="text-align: center;">UNLIMITED</div>		
<b>19. Security Classification (of this report)</b> UNCLASSIFIED	<b>20. Security Classification (of this page)</b> UNCLASSIFIED	<b>21. # of Pages</b> 16 pp. Report and 2 pp. Appendices	<b>22. Price</b>		